

SYSTEM	CCTV	PREPARED BY	C. Hughes
UNIT	Remote Control Unit (RCU)	DATE	8-25-86
ASSY. DRAWG.	2294B24-S06, S07	REVISED	5-7-87
QUANTITY	1		

SHUTTLE CCTV FAILURE MODE
& EFFECTS ANALYSIS

FUNCTION: Crew control of uplink command path.

ITEM	FAILURE MODE	FAILURE CAUSE	FAILURE EFFECT ON END ITEM	FAILURE DETECT FLIGHT/GROUND	CORRECT ACTION TIME AVAIL/REQ	CRIT'V	HAZARDS/REMARKS
1.3.21.1	Uplink enable command falls low (inhibit)	1. A7 board-Optoisolator failure	No uplink commands; Commands still effective from crew via A7 panel.	FLT - Exercise switch while ground is commanding	No RCU corrective action.	3/IR	Can't close doors. Can interfere with payload
		2. A8 board-Input receiver, data register, data register strobes	Worst Case: Loss of backup control for PTW positioning to permit RMS slow-agn.		Worst Case: Jerkison RMS		
		3. A7 board-Microcomputer					

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ATTACHMENT -
Page 5 of 109